



Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

18E0757

Gannett Fleming, Inc.

Project Name: Center TWP Elementary

Eric Buzza
Foster Plaza III, Suite 200, 601 Holiday Drive
Pittsburgh, PA 15220

Project / PO Number: N/A
Received: 05/02/2018
Reported: 05/14/2018

Analytical Testing Parameters

Table with client sample information: Client Sample ID: Room 21, Sample Matrix: Drinking Water, Lab Sample ID: 18E0757-01, Collected By: Eric Buzza, Collection Date: 05/02/2018 6:50

Inorganics table with columns: Inorganics, Result, RL, Units, Note, Prepared, Analyzed, Analyst. Includes Method: EPA 300.0, Rv. 2.1 and rows for Fluoride, Nitrite as N, Sulfate, Nitrate as N.

Table for Method: SM 4500 CN C/E-99,-11 with row for Cyanide.

Metals, Total table with columns: Metals, Total, Result, RL, Units, Note, Prepared, Analyzed, Analyst. Includes Method: EPA 200.7, Rv. 4.4 and rows for Aluminum, Barium, Beryllium, Cadmium, Chromium, Copper, Iron, Manganese, Silver, Zinc.

Table for Method: SM 3112 B-09,-11 with row for Mercury.

Table for Method: SM 3113 B-04 with rows for Antimony, Arsenic, Lead, Selenium.

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS table with columns: Metals, Total - ICP/MS, Result, RL, Units, Note, Prepared, Analyzed, Analyst. Includes Method: EPA 200.8, Rv. 5.4 and row for Thallium.



Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

18E0757

<b>Client Sample ID:</b> Room 21	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 05/02/2018 6:50
<b>Lab Sample ID:</b> 18E0757-01	

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
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Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

18E0757

<b>Client Sample ID:</b> Room 20	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 05/02/2018 6:55
<b>Lab Sample ID:</b> 18E0757-02	

Inorganics	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 300.0, Rv. 2.1</b>							
Fluoride	<0.10	0.10	mg/L		05/03/18 1732	05/03/18 1732	DJS
Nitrite as N	<0.05	0.05	mg/L		05/03/18 1732	05/03/18 1732	DJS
Sulfate	<b>41.3</b>	1.00	mg/L		05/03/18 1732	05/03/18 1732	DJS
Nitrate as N	<b>0.58</b>	0.40	mg/L		05/03/18 1732	05/03/18 1732	DJS

<b>Method: SM 4500 CN C/E-99,-11</b>							
Cyanide	<0.006	0.006	mg/L		05/03/18 0845	05/07/18 1814	BJJ

Metals, Total	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.7, Rv. 4.4</b>							
Aluminum	<0.050	0.050	mg/L		05/04/18 0957	05/05/18 0310	MWR
Barium	<b>0.0884</b>	0.0010	mg/L		05/04/18 0957	05/05/18 0312	MWR
Beryllium	<0.0010	0.0010	mg/L		05/04/18 0957	05/05/18 0310	MWR
Cadmium	<0.003	0.003	mg/L		05/04/18 0957	05/05/18 0312	MWR
Chromium	<0.010	0.010	mg/L		05/04/18 0957	05/05/18 0310	MWR
Copper	<b>0.178</b>	0.010	mg/L		05/04/18 0957	05/05/18 0310	MWR
Iron	<0.050	0.050	mg/L		05/04/18 0957	05/05/18 0310	MWR
Manganese	<0.003	0.003	mg/L		05/04/18 0957	05/05/18 0310	MWR
Silver	<0.010	0.010	mg/L		05/04/18 0957	05/05/18 0310	MWR
Zinc	<b>0.031</b>	0.010	mg/L		05/04/18 0957	05/05/18 0310	MWR

<b>Method: SM 3112 B-09,-11</b>							
Mercury	<0.0002	0.0002	mg/L		05/03/18 1130	05/04/18 1123	BJJ

<b>Method: SM 3113 B-04</b>							
Antimony	<0.00300	0.00300	mg/L		05/08/18 1510	05/09/18 1422	BJJ
Arsenic	<0.00200	0.00200	mg/L		05/04/18 1350	05/08/18 1510	BJJ
Lead	<0.001	0.001	mg/L		05/04/18 0900	05/04/18 1511	BJJ
Selenium	<0.0020	0.0020	mg/L		05/04/18 1350	05/07/18 1414	BJJ

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Thallium	<0.0003	0.0003	mg/L		05/08/18 0944	05/08/18 1148	DLO



Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

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<b>Client Sample ID:</b> Room 17	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 05/02/2018 7:25
<b>Lab Sample ID:</b> 18E0757-03	

Inorganics	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 300.0, Rv. 2.1</b>							
Fluoride	<0.10	0.10	mg/L		05/03/18 1749	05/03/18 1749	DJS
Nitrite as N	<0.05	0.05	mg/L		05/03/18 1749	05/03/18 1749	DJS
Sulfate	<b>40.6</b>	1.00	mg/L		05/03/18 1749	05/03/18 1749	DJS
Nitrate as N	<b>0.58</b>	0.40	mg/L		05/03/18 1749	05/03/18 1749	DJS

<b>Method: SM 4500 CN C/E-99,-11</b>							
Cyanide	<0.006	0.006	mg/L		05/03/18 0845	05/07/18 1814	BJJ

Metals, Total	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.7, Rv. 4.4</b>							
Aluminum	<0.050	0.050	mg/L		05/04/18 0957	05/05/18 0315	MWR
Barium	<b>0.0842</b>	0.0010	mg/L		05/04/18 0957	05/05/18 0317	MWR
Beryllium	<0.0010	0.0010	mg/L		05/04/18 0957	05/05/18 0316	MWR
Cadmium	<0.003	0.003	mg/L		05/04/18 0957	05/05/18 0318	MWR
Chromium	<0.010	0.010	mg/L		05/04/18 0957	05/05/18 0316	MWR
Copper	<b>0.215</b>	0.010	mg/L		05/04/18 0957	05/05/18 0315	MWR
Iron	<0.050	0.050	mg/L		05/04/18 0957	05/05/18 0316	MWR
Manganese	<0.003	0.003	mg/L		05/04/18 0957	05/05/18 0316	MWR
Silver	<0.010	0.010	mg/L		05/04/18 0957	05/05/18 0316	MWR
Zinc	<b>0.014</b>	0.010	mg/L		05/04/18 0957	05/05/18 0316	MWR

<b>Method: SM 3112 B-09,-11</b>							
Mercury	<0.0002	0.0002	mg/L		05/03/18 1130	05/04/18 1123	BJJ

<b>Method: SM 3113 B-04</b>							
Antimony	<0.00300	0.00300	mg/L		05/08/18 1510	05/09/18 1422	BJJ
Arsenic	<0.00200	0.00200	mg/L		05/04/18 1350	05/08/18 1510	BJJ
Lead	<0.001	0.001	mg/L		05/04/18 0900	05/04/18 1511	BJJ
Selenium	<0.0020	0.0020	mg/L		05/04/18 1350	05/07/18 1414	BJJ

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Thallium	<0.0003	0.0003	mg/L		05/08/18 0944	05/08/18 1150	DLO



Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

18E0757

<b>Client Sample ID:</b> Room 16	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 05/02/2018 7:30
<b>Lab Sample ID:</b> 18E0757-04	

Inorganics	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 300.0, Rv. 2.1</b>							
Fluoride	<0.10	0.10	mg/L		05/03/18 1807	05/03/18 1807	DJS
Nitrite as N	<0.05	0.05	mg/L		05/03/18 1807	05/03/18 1807	DJS
Sulfate	<b>41.3</b>	1.00	mg/L		05/03/18 1807	05/03/18 1807	DJS
Nitrate as N	<b>0.58</b>	0.40	mg/L		05/03/18 1807	05/03/18 1807	DJS

<b>Method: SM 4500 CN C/E-99,-11</b>							
Cyanide	<0.006	0.006	mg/L		05/03/18 0845	05/07/18 1814	BJJ

Metals, Total	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.7, Rv. 4.4</b>							
Aluminum	<0.050	0.050	mg/L		05/04/18 0957	05/05/18 0321	MWR
Barium	<b>0.0880</b>	0.0010	mg/L		05/04/18 0957	05/05/18 0323	MWR
Beryllium	<0.0010	0.0010	mg/L		05/04/18 0957	05/05/18 0321	MWR
Cadmium	<0.003	0.003	mg/L		05/04/18 0957	05/05/18 0323	MWR
Chromium	<0.010	0.010	mg/L		05/04/18 0957	05/05/18 0321	MWR
Copper	<b>0.172</b>	0.010	mg/L		05/04/18 0957	05/05/18 0321	MWR
Iron	<0.050	0.050	mg/L		05/04/18 0957	05/05/18 0321	MWR
Manganese	<0.003	0.003	mg/L		05/04/18 0957	05/05/18 0321	MWR
Silver	<0.010	0.010	mg/L		05/04/18 0957	05/05/18 0321	MWR
Zinc	<b>0.017</b>	0.010	mg/L		05/04/18 0957	05/05/18 0321	MWR

<b>Method: SM 3112 B-09,-11</b>							
Mercury	<0.0002	0.0002	mg/L		05/03/18 1130	05/04/18 1123	BJJ

<b>Method: SM 3113 B-04</b>							
Antimony	<0.00300	0.00300	mg/L		05/08/18 1510	05/09/18 1422	BJJ
Arsenic	<0.00200	0.00200	mg/L		05/04/18 1350	05/08/18 1510	BJJ
Lead	<0.001	0.001	mg/L		05/04/18 0900	05/04/18 1511	BJJ
Selenium	<0.0020	0.0020	mg/L		05/04/18 1350	05/07/18 1414	BJJ

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Thallium	<0.0003	0.0003	mg/L		05/08/18 0944	05/08/18 1152	DLO



Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

18E0757

<b>Client Sample ID:</b> Room 13	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 05/02/2018 7:40
<b>Lab Sample ID:</b> 18E0757-05	

Inorganics	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 300.0, Rv. 2.1</b>							
Fluoride	<0.10	0.10	mg/L		05/03/18 1824	05/03/18 1824	DJS
Nitrite as N	<0.05	0.05	mg/L		05/03/18 1824	05/03/18 1824	DJS
Sulfate	<b>42.2</b>	1.00	mg/L		05/03/18 1824	05/03/18 1824	DJS
Nitrate as N	<b>0.58</b>	0.40	mg/L		05/03/18 1824	05/03/18 1824	DJS

<b>Method: SM 4500 CN C/E-99,-11</b>							
Cyanide	<0.006	0.006	mg/L		05/03/18 0845	05/07/18 1814	BJJ

Metals, Total	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.7, Rv. 4.4</b>							
Aluminum	<0.050	0.050	mg/L		05/04/18 0957	05/05/18 0327	MWR
Barium	<b>0.0805</b>	0.0010	mg/L		05/04/18 0957	05/05/18 0329	MWR
Beryllium	<0.0010	0.0010	mg/L		05/04/18 0957	05/05/18 0327	MWR
Cadmium	<0.003	0.003	mg/L		05/04/18 0957	05/05/18 0329	MWR
Chromium	<0.010	0.010	mg/L		05/04/18 0957	05/05/18 0327	MWR
Copper	<b>0.125</b>	0.010	mg/L		05/04/18 0957	05/05/18 0327	MWR
Iron	<0.050	0.050	mg/L		05/04/18 0957	05/05/18 0327	MWR
Manganese	<0.003	0.003	mg/L		05/04/18 0957	05/05/18 0327	MWR
Silver	<0.010	0.010	mg/L		05/04/18 0957	05/05/18 0327	MWR
Zinc	<b>0.012</b>	0.010	mg/L		05/04/18 0957	05/05/18 0327	MWR

<b>Method: SM 3112 B-09,-11</b>							
Mercury	<0.0002	0.0002	mg/L		05/03/18 1130	05/04/18 1123	BJJ

<b>Method: SM 3113 B-04</b>							
Antimony	<0.00300	0.00300	mg/L		05/08/18 1510	05/09/18 1422	BJJ
Arsenic	<0.00200	0.00200	mg/L		05/04/18 1350	05/08/18 1510	BJJ
Lead	<0.001	0.001	mg/L		05/04/18 0900	05/04/18 1511	BJJ
Selenium	<0.0020	0.0020	mg/L		05/04/18 1350	05/07/18 1414	BJJ

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Thallium	<0.0003	0.0003	mg/L		05/08/18 0944	05/08/18 1154	DLO



Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

18E0757

<b>Client Sample ID:</b> Room 18	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 05/02/2018 7:45
<b>Lab Sample ID:</b> 18E0757-06	

Inorganics	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 300.0, Rv. 2.1</b>							
Fluoride	<0.10	0.10	mg/L		05/03/18 1841	05/03/18 1841	DJS
Nitrite as N	<0.05	0.05	mg/L		05/03/18 1841	05/03/18 1841	DJS
Sulfate	<b>42.0</b>	1.00	mg/L		05/03/18 1841	05/03/18 1841	DJS
Nitrate as N	<b>0.59</b>	0.40	mg/L		05/03/18 1841	05/03/18 1841	DJS

<b>Method: SM 4500 CN C/E-99,-11</b>							
Cyanide	<0.006	0.006	mg/L		05/03/18 0845	05/07/18 1814	BJJ

Metals, Total	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.7, Rv. 4.4</b>							
Aluminum	<0.050	0.050	mg/L		05/04/18 0957	05/05/18 0345	MWR
Barium	<b>0.0852</b>	0.0010	mg/L		05/04/18 0957	05/05/18 0347	MWR
Beryllium	<0.0010	0.0010	mg/L		05/04/18 0957	05/05/18 0346	MWR
Cadmium	<0.003	0.003	mg/L		05/04/18 0957	05/05/18 0348	MWR
Chromium	<0.010	0.010	mg/L		05/04/18 0957	05/05/18 0346	MWR
Copper	<b>0.079</b>	0.010	mg/L		05/04/18 0957	05/05/18 0345	MWR
Iron	<0.050	0.050	mg/L		05/04/18 0957	05/05/18 0346	MWR
Manganese	<0.003	0.003	mg/L		05/04/18 0957	05/05/18 0346	MWR
Silver	<0.010	0.010	mg/L		05/04/18 0957	05/05/18 0346	MWR
Zinc	<b>0.021</b>	0.010	mg/L		05/04/18 0957	05/05/18 0346	MWR

<b>Method: SM 3112 B-09,-11</b>							
Mercury	<0.0002	0.0002	mg/L		05/03/18 1130	05/04/18 1123	BJJ

<b>Method: SM 3113 B-04</b>							
Antimony	<0.00300	0.00300	mg/L		05/08/18 1510	05/09/18 1422	BJJ
Arsenic	<0.00200	0.00200	mg/L		05/04/18 1350	05/08/18 1510	BJJ
Lead	<0.001	0.001	mg/L		05/04/18 0900	05/04/18 1511	BJJ
Selenium	<0.0020	0.0020	mg/L		05/04/18 1350	05/07/18 1414	BJJ

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Thallium	<0.0003	0.0003	mg/L		05/08/18 1037	05/08/18 1210	DLO



Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

18E0757

<b>Client Sample ID:</b> Room 24	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 05/02/2018 7:55
<b>Lab Sample ID:</b> 18E0757-07	

Inorganics	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 300.0, Rv. 2.1</b>							
Fluoride	<0.10	0.10	mg/L		05/03/18 1858	05/03/18 1858	DJS
Nitrite as N	<0.05	0.05	mg/L		05/03/18 1858	05/03/18 1858	DJS
Sulfate	<b>42.9</b>	1.00	mg/L		05/03/18 1858	05/03/18 1858	DJS
Nitrate as N	<b>0.58</b>	0.40	mg/L		05/03/18 1858	05/03/18 1858	DJS

<b>Method: SM 4500 CN C/E-99,-11</b>							
Cyanide	<0.006	0.006	mg/L		05/03/18 0845	05/07/18 1814	BJJ

Metals, Total	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.7, Rv. 4.4</b>							
Aluminum	<0.050	0.050	mg/L		05/04/18 0957	05/05/18 0351	MWR
Barium	<b>0.0792</b>	0.0010	mg/L		05/04/18 0957	05/05/18 0353	MWR
Beryllium	<0.0010	0.0010	mg/L		05/04/18 0957	05/05/18 0351	MWR
Cadmium	<0.003	0.003	mg/L		05/04/18 0957	05/05/18 0354	MWR
Chromium	<0.010	0.010	mg/L		05/04/18 0957	05/05/18 0351	MWR
Copper	<b>0.073</b>	0.010	mg/L		05/04/18 0957	05/05/18 0351	MWR
Iron	<0.050	0.050	mg/L		05/04/18 0957	05/05/18 0351	MWR
Manganese	<0.003	0.003	mg/L		05/04/18 0957	05/05/18 0351	MWR
Silver	<0.010	0.010	mg/L		05/04/18 0957	05/05/18 0351	MWR
Zinc	<b>0.018</b>	0.010	mg/L		05/04/18 0957	05/05/18 0351	MWR

<b>Method: SM 3112 B-09,-11</b>							
Mercury	<0.0002	0.0002	mg/L		05/03/18 1130	05/04/18 1123	BJJ

<b>Method: SM 3113 B-04</b>							
Antimony	<0.00300	0.00300	mg/L		05/08/18 1510	05/09/18 1422	BJJ
Arsenic	<0.00200	0.00200	mg/L		05/04/18 1350	05/08/18 1510	BJJ
Lead	<0.001	0.001	mg/L		05/04/18 1330	05/04/18 1651	BJJ
Selenium	<0.0020	0.0020	mg/L		05/04/18 1350	05/07/18 1414	BJJ

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Thallium	<0.0003	0.0003	mg/L		05/08/18 1037	05/08/18 1212	DLO





Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

18E0757

<b>Client Sample ID:</b> Room 25	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 05/02/2018 8:00
<b>Lab Sample ID:</b> 18E0757-08	

Inorganics	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 300.0, Rv. 2.1</b>							
Fluoride	<0.10	0.10	mg/L		05/03/18 1915	05/03/18 1915	DJS
Nitrite as N	<0.05	0.05	mg/L		05/03/18 1915	05/03/18 1915	DJS
Sulfate	<b>42.6</b>	1.00	mg/L		05/03/18 1915	05/03/18 1915	DJS
Nitrate as N	<b>0.58</b>	0.40	mg/L		05/03/18 1915	05/03/18 1915	DJS

<b>Method: SM 4500 CN C/E-99,-11</b>							
Cyanide	<0.006	0.006	mg/L		05/03/18 0845	05/07/18 1814	BJJ

Metals, Total	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.7, Rv. 4.4</b>							
Aluminum	<0.050	0.050	mg/L		05/04/18 0957	05/05/18 0357	MWR
Barium	<b>0.0836</b>	0.0010	mg/L		05/04/18 0957	05/05/18 0359	MWR
Beryllium	<0.0010	0.0010	mg/L		05/04/18 0957	05/05/18 0357	MWR
Cadmium	<0.003	0.003	mg/L		05/04/18 0957	05/05/18 0359	MWR
Chromium	<0.010	0.010	mg/L		05/04/18 0957	05/05/18 0357	MWR
Copper	<b>0.132</b>	0.010	mg/L		05/04/18 0957	05/05/18 0357	MWR
Iron	<0.050	0.050	mg/L		05/04/18 0957	05/05/18 0357	MWR
Manganese	<0.003	0.003	mg/L		05/04/18 0957	05/05/18 0357	MWR
Silver	<0.010	0.010	mg/L		05/04/18 0957	05/05/18 0357	MWR
Zinc	<b>0.018</b>	0.010	mg/L		05/04/18 0957	05/05/18 0357	MWR

<b>Method: SM 3112 B-09,-11</b>							
Mercury	<0.0002	0.0002	mg/L		05/03/18 1130	05/04/18 1123	BJJ

<b>Method: SM 3113 B-04</b>							
Antimony	<0.00300	0.00300	mg/L		05/08/18 1510	05/09/18 1422	BJJ
Arsenic	<0.00200	0.00200	mg/L		05/04/18 1350	05/08/18 1510	BJJ
Lead	<0.001	0.001	mg/L		05/04/18 1330	05/04/18 1651	BJJ
Selenium	<0.0020	0.0020	mg/L		05/04/18 1350	05/07/18 1414	BJJ

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Thallium	<0.0003	0.0003	mg/L		05/08/18 1037	05/08/18 1214	DLO



Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

18E0757

Definitions

- AL:** US EPA Action Level
- MCL:** US EPA Maximum Contaminant Level
- RL:** Reporting Limit
- SMCL:** US EPA Secondary Maximum Contaminant Level
- X:** Exceeds regulatory limit.

Project Requested Certification(s)

Microbac Laboratories, Inc. - Dayville  
68-04413

Pennsylvania Department of Environmental Protection

Microbac Laboratories, Inc. - Erie  
PA DEP# 25-00067

PA Department of Environmental Protection  
PADEP Accreditation by Rule

Report Comments

*Samples were received in proper condition and the reported results conform to applicable accreditation standard unless otherwise noted.*

*The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included.*

Reviewed and Approved By:

Carolyn Vollentine  
Project Manager

Reported: 05/14/2018 08:42

Microbac Erie Division  
1962 Wager Road  
Erie, PA 16509

814.825.8533  
[eriemm@microbac.com](mailto:eriemm@microbac.com)

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\*18E0757\* Gannett Fleming, Inc.



Client/Company Name: **BA50 GF**

Contact Name: **Eric Burza**

Address: **Postar Plaza 8 Suite 400 730 Hb/Day Dr**

City/State/Zip: **Pittsburgh PA 15220**

Phone: **412 722 5575** Email/Fax: **eburza@gfnet.com**

Project Name/ID: **Center Top Elementary**

Sampled By: **Eric Burza** Due Date: **Rush**

Shipped By: **Eric Burza** Tracking #: **PWSID#:**

Type Code: **G-Grab C-Composite** Comp. Start: **WW-Nonpotable water** Comp. Stop: **SS-Soil/Sludge F-Food S-Swab O-Other**

Matrix Code: **DW-Potable water**

Sample Identification	Date Taken	Time Taken	Type		Matrix	Tot. # Cont.	Preservatives							Analyses	
			G	C			None	HNO3	H2SO4	NaOH	HCl	Thio	Other		
Room 21	5/18/18	6:50	✓		Dur 1	✓									Lead + Copper
Room 20		6:55													Antimony, Arsenic, Barium
Room 17		7:25													Baryum, Cadmium, Chromium
Room 16		7:30													Fluoride, Mercury, Nitrate
Room 13		7:40													Nitrite, Selenium, Thallium
Room 18		7:45	✓												Aluminum, Iron, Manganese

Instructions/Comments: **Samples, Containers & COC Verified as per Sample Receiving Checklist INITIALS: CMV DATE: 5-3-18**

Relinquished By: **Byrne** Date/Time: **5/18/18 10:4** Received By: **Eric Burza** Date/Time: **5/21/18 10:00** Temp: **18.7°C**

Relinquished By: **Shirley Foster** Date/Time: **5/21/18 10:03** Received By: **Shirley Foster** Date/Time: **5/21/18 10:00** Iced: **Y** Intact: **N**

Relinquished By: **Eric Burza** Date/Time: **5/21/18 10:45** Received By: **Eric Burza** Date/Time: **5/21/18 10:45** Iced: **Y** Intact: **N**

Relinquished By: **Eric Burza** Date/Time: **5/21/18 10:45** Received By: **Eric Burza** Date/Time: **5/21/18 10:45** Iced: **Y** Intact: **N**





CHAIN OF CUSTODY

Put bar code here

Microbac Erie Division 814.825.8533  
1962 Wager Road eriemm@microbac.com  
Erie, PA 16509

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\*18E0757\* Gannett Fleming, Inc.



Client/Company Name: **BA50 GF** Contact Name: **Eric Buzza** Bill To/PO#: \_\_\_\_\_

Address: **Postar Plaza Bldg, 400 730 Hel Day Dr** Potential Hazards: Non-hazard  Hazard  Radioactive

City/State/Zip: **Pittsburgh PA 15120** Email/Fax: **ebuzza@postar.com**

Phone: **412 972 5575** Project Name/ID: **Gator Top Elementary** Disposal:  Return  Retain

Sampled By: **Eric Buzza** Due Date: **Rush** Compliance Sample: Yes  No  State: \_\_\_\_\_

Shipped By: **Rush** Tracking #: \_\_\_\_\_ PWSID#: \_\_\_\_\_ Monitoring Period: \_\_\_\_\_

Type Code: G-Grab C-Composite Comp. Start: \_\_\_\_\_ Comp. Stop: \_\_\_\_\_ Preservatives: \_\_\_\_\_

Matrix Code: DW-Potable water WW-Nonpotable water SS-Soil/Sludge F-Food S-Swab O-Other

Sample Identification	Date Taken	Time Taken	Type		Matrix	Tot. # Cont.	Preservatives							Analyses	Temp	Intact	
			G	C			None	HNO3	H2SO4	NaOH	HCl	Thio	Other				
Room 24	5/21/18	755	✓		DM	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	18.7°C	Y
Room 25	5/21/18	800	✓			1	✓	✓	✓	✓	✓	✓	✓	✓	✓	18.7°C	N

Instructions/Comments: **Samples, Containers & COC Verified as per Sample Receiving Checklist INITIALS: CWN DATE: 5-3-18**

Relinquished By: **Eric Buzza** Date/Time: **5/21/18 10:24** Received By: **Shirley Porter** Date/Time: **5/21/18 10:00** Temp: **18.7°C**

Relinquished By: **Shirley Porter** Date/Time: **5/21/18 10:03** Received By: **Eric Buzza** Date/Time: **5/21/18 10:03** Intact: **Y**

Relinquished By: **Eric Buzza** Date/Time: **5/21/18 15:45** Received By: **Eric Buzza** Date/Time: **5/21/18 15:45** Intact: **N**

*Handwritten initials/signature*